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Tara

**-Official Business-****FAX Transmission Sheet**

January 6, 2006

To: Examiner Thomas M. Dougherty Fax No.: (571) 273-8300  
From: Stephen P. Burr Fax No.: (315) 233-8320  
Re: U.S. Patent Application Serial No. 10/678,849  
Title: LESS-DUST-GENERATIVE PIEZOELECTRIC/ELECTROSTRICTIVE  
DEVICE AND MANUFACTURING METHOD  
Conf. No.: 2431  
Our Ref.: 791\_229

You should receive 19 page(s) including this cover sheet. If you do not receive all pages,  
please call Tara at (315) 233-8300.

**COMMENTS:**

I hereby certify that the following paper(s) is/are being transmitted by facsimile to the  
Patent and Trademark Office on January 6, 2006:

**Pages**

|                            |                      |
|----------------------------|----------------------|
| - an Amendment Transmittal | 1                    |
| - an Amendment             | 17                   |
| Total:                     | 19 (including cover) |



Tara L. Preston

IMPORTANT - THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT READING, DISSEMINATING, DISTRIBUTING OR COPYING THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE, AND DESTROY THE COMMUNICATION. THANK YOU.

| <b>PATENT AMENDMENT TRANSMITTAL</b><br>(Provisions of 37 CFR 1.136 Apply) |                                                                                     |                     |                     |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|---------------------|
| Application Number                                                        | 10/678,849                                                                          | Filing Date         | October 3, 2003     |
| Group Art Unit                                                            | 2834                                                                                | Examiner Name       | Thomas M. Dougherty |
| Confirmation No.                                                          | 2431                                                                                | Attorney Docket No. | 791_229             |
| Inventor(s)                                                               | Yukihisa TAKEUCHI, Koji KIMURA and Tatsuo KAWAGUCHI                                 |                     |                     |
| Invention:                                                                | LESS-DUST-GENERATIVE PIEZOELECTRIC/ELECTROSTRICTIVE DEVICE AND MANUFACTURING METHOD |                     |                     |

Transmitted herewith is an Amendment in the above-identified application. The fee has been calculated as follows:

**CLAIMS AS AMENDED**

| (1)                                            | (2)<br>Claims Remaining<br>After Amendment | (3)   | (4)<br>Highest Number<br>Previously Paid | (5)<br>No. of Extra Claims<br>Present | (6)<br>Rate<br>(Large Entity) | (7)<br>Additional<br>Fee |
|------------------------------------------------|--------------------------------------------|-------|------------------------------------------|---------------------------------------|-------------------------------|--------------------------|
| TOTAL CLAIMS                                   | 19                                         | MINUS | 23                                       | 0                                     | \$50.00                       | \$00.00                  |
| INDEP. CLAIMS                                  | 3                                          | MINUS | 4                                        | 0                                     | \$200.00                      | \$00.00                  |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b> |                                            |       |                                          |                                       |                               | <b>\$00.00</b>           |

**EXTENSION OF TERM**

☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

☐ This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application. The requested extension and appropriate non-small entity fee are as follows:

- ☐ One Month (37 CFR 1.17(a)(1)) ..... \$120.00
- ☐ Two Month (37 CFR 1.17(a)(2)) ..... \$450.00
- ☐ Three Month (37 CFR 1.17(a)(3)) ..... \$1,020.00

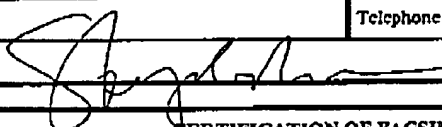
**TOTAL FEES DUE**

**\$ 00.00**

☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount is reduced by one-half, and the resulting fee is:

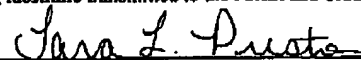
**FEE PAYMENT**

- ☒ No additional fee is required. ☐ A check in the amount of \$\_\_\_\_\_ is enclosed.
- ☐ Charge Deposit Account 50-1446 in the amount of \$. Enclosed is a duplicate copy of this sheet.
- ☒ Please charge any fees which may be required, or credit any overpayment, to Deposit Account 50-1446.

| Submitted By:     |                                                                                     |           |                |              |                 |
|-------------------|-------------------------------------------------------------------------------------|-----------|----------------|--------------|-----------------|
| Name (Print Type) | Stephen P. Burr                                                                     | Reg. No.  | 32,970         | Customer No. | 025191          |
|                   |                                                                                     | Telephone | (315) 233-8300 | Facsimile    | (315) 233-8320  |
| Signature         |  |           |                | Date         | January 6, 2006 |

**CERTIFICATION OF FACSIMILE TRANSMISSION**

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Practitioner's Docket No.: 791\_229

JAN 06 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Yukihiisa TAKEUCHI, Koji KIMURA and Tatsuo KAWAGUCHI

Serial No.: 10/678,849

Group Art Unit: 2834

Filed: October 3, 2003

Examiner: Dougherty, Thomas M.

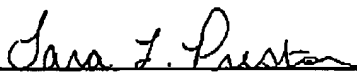
Conf. No.: 2431

For: LESS-DUST-GENERATIVE PIEZOELECTRIC/ELECTRO-  
STRICTIVE DEVICE AND MANUFACTURING METHOD

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATION OF FACSIMILE  
TRANSMISSION

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Tara L. Preston

AMENDMENT

Sir:

In response to the Office Action mailed October 12, 2005, please amend the  
above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins  
on page 7 of this paper.

Amendments to the Abstract are shown on page 12 of this paper.

Remarks/Arguments begin on page 13 of this paper.